IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of Costa et al.

Application No.: 10/018,248

Filed: June 8, 2000

For: Animal Models and Methods for

ANALYSIS OF LIPID METABOLISM AND SCREENING OF PHARMACEUTICAL AND PESTICIDAL AGENTS THAT MODULATE

LIPID METABOLISM

Confirmation No.: 6072

Art Unit: Not Assigned

Examiner: Not Assigned

Attorney Docket No.: EX99-004C-US

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R §1.56, this Information Disclosure Statement is being submitted for the above reference application.

In accordance with 37 C.F.R §1.97 (g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined by 37 C.F.R. §1.56 exists.

In accordance with 37 C.F.R §1.97 (h), the disclosure contained herein is not intended to constitute an admission that any patent, publication, or other information referred to is "prior art" or "analogous art" for this invention.

Form PTO-1449 is enclosed. Pursuant to 1.98 (d), the listed references are not enclosed and were previously cited by or submitted to the Office in the identified prior application which is relied upon for an earlier filing date. The IDS is filed before the date of mailing the 1st Office Action on the merits.

The Commissioner is hereby authorized to charge any additional fees, if necessary, to Deposit No. 50-1108.

Respectfully submitted,

Dated: September 26, 2002

Laleh Shavesteh

Reg. No. 47,937

Tel: (650) 837-8223; Fax: (650) 837-7179

			Application Number	10/018,248
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			Examiner Name	Not yet assigned
al Number of Pages in This	Submission		Attorney Docket Number	EX99-004C-US
		ENCL	OSURES (check all that apply)	
Fee Transmittal Form			ment Papers Application)	After Allowance Communication to Group
Fee Attached		Drawin	g(s)	Appeal Communication to Board of Appeals and Interferences
Amendment / Response		Licensi	ng-related Papers	Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
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Affidavits/declaration(s)		n to Convert to a onal Application	Status Letter
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Angela Law

PTO/SB/08A (10-01)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 10/018,248

Filing Date 06/08/2000

First Named Inventor Costa, Michael

Group Art Unit

Examiner Name

Attorney Docket Number EX99-004C-US

(use as many sheets as necessary)

Sheet 1 of 6

			U.S. PATENT D	OCUMENTS	S)
Eversino:	Cite	Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant
Examiner Initials *	No.1	Number - Kind Code ² (if known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear
	1	US-4,935,363	June 19, 1990	Brown et al.	
	2	US- 5,215,910	June 1, 1993	Brown et al.	
	3	US- 5,256,545	October 26, 1993	Brown et al.	
	4	US- 5,378,603	January 3, 1995	Brown et al.	
	5	US- 5,498,696	March 12, 1996	Brigg et al.	
	6	US- 5,527,690	June 18, 1996	Goldstein et al.	
	7	US- 5,650,550	July 1997	Korach et al.	
	8	US- 5,780,262	July 14, 1998	Brent et al.	
	9	US- 5,891,631	April 6, 1999	Goldstein et al.	
	10	US- 5,919,462	July 1999	Narwa et al.	
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		FOREIGN PA	TENT DOCU	MENTS		
Examiner Cite No.1		Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	
	Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶	
	11	WO9102058	February 1991	Tischer		
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³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Complete if Known **Application Number** 10/018,248 Filing Date 06/08/2000 First Named Inventor Costa, Michael Group Art Unit Examiner Name

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6 Sheet 2 Attorney Docket Number EX99-004C-US of

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	9
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	12	HUA et al., 1996 Cell 87:415-426.	
	13	MARGOLIS, J. and DUYK, G., 1998, Nat. Biotechnol. 16:311.	
	14	MARTIN and KUSEL, 1992, Parasitology 104(3):549-555.	
	15	PAGANO et al., 1991, J. Cell. Biol. 113(6):1267-1279.	
	16	PAGANO and Chen, 1998, Ann NY Acad. Sci. 845:152-160.	
	17	RAWSON et al., 1997, Mol. Cell 1:47-57.	
	18	REDMAN and KUSEL, 1996, Parasitology 113(2):137-143.	
	19	SAKAI et al., 1998, J. Biol. Chem. 273:5785-5793.	
	20	SCANGOS, 1997, Nat. Biotechnol. 15:1220-1221.	
	21	SPIEGELMAN et al., 1996, Cell 87:377-389.	
	22	THEOPOLD et al., 1996, Proc. Natl. Acad. Sci. USA 93(3):1195-1199.	

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Sheet 3 of 6 Attorney Docket Number EX99-004C-US

	,	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	160n
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	23	VILLEE et al., General Zoology, chapter 24, pages 509-515, 1984, Saunders Colleger Publishing, NY.	
	24	KPHARA et al., (Seq Name gb_est47:D35004; Accession no D35004, published 08/08/1994).	
	25	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AA391707 5prime LD Drosophila melanogaster embryo BlueScript Drosophila melanogaster cDNA clone LD11632 5prime, mRNA sequence	
	26	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AA439767 5prime LD Drosophila melanogaster embryo BlueScript Drosophila melanogaster cDNA clone LD14421 5prime, mRNA sequence	
	27	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AC007121 Drosophila melanogaster, chromosome 2R, region 42A8-42A16, P1 clones DS06954 and DS05325, complete sequence	
	28	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. U38238 Dropspphila melanogaster transcription factor HLH106 mRNA, complete cds	
	29	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. B41527 HS-1053-B2-G10-MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 775 Col=20 Row=N, genomic survey sequence	
	30	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. A54962 sterol regulatory element binding protein 2 precursor - human	
	31	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. B54962 sterol regulatory element-binding protein 2 precursor - Chinese hamster	
	32	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. A54164 sterol regulatory element-binding protein 1 - Chinese hamster	
	33	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. D83782 Human mRNA for KIAA0199 gene, partial cds	

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6 Attorney Docket Number 4 of Sheet

<u> </u>		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	70
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
-	34	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. C11831 Yuji Kohara unpublished cDNA Caenorhabditis elegans cDNA clone yk125f3 5prime, mRNA sequence	
	35	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAB13887 Sequence 38 from patent US 5527690	
	36	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAB13894 Sequence 54 from patent US 552769	
	37	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAB19103 SREBP cleavage activating protein [Cricetulus griseus]	
	38	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. CAA69563 orf c04034 [Sulfolobus solfataricus]	
	39	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAB85845 conserved protein [Methanbacterium thermoautotrophicum]	
	40	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAC53526 S2P [Cricetulus griseus]	
	41	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAC51937 S2P [Homo sapiens]	
	42	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. CAA18255 putative protein [Arabidopsis thaliana]	
	43	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. CAA87777 similarity to the transmembranous domain of 3-hydroxy-3-methylglutaryl-coenzyme A reductase,; cDNA EST EMBL: D35100 comes from this gene; cDNA EST EMBL: D32450 comes from this gene; cDNA EST EMBL: D3885 comes from this gene; cDNA EST EMBL: D6828 comes from this gene; cDNA EST EMBL: D67504 comes from this gene; cDNA EST EMBL: D6495 comes from this gene; cDNA EST EMBL: D68193 comes from this gene; cDNA EST EMBL: D64931 comes from this gene; cDNA EST EMBL: C11459 comes from this gene; cDNA EST EMBL: C13582 comes from this gene; cDNA EST yk315f2.3 comes from this gene; cDNA EST yk315f2.5 comes from this gene; cDNA EST yk244b1.3 comes this gen; cDNA EST yk244b1.5 comes from this gene; cDNA EST yk294b1.5 comes from this gene; cDNA EST yk3911.3 comes from this gene; cDNA EST yk3911.5 comes from this gene; cDNA EST yk390b6.3 comes from this gene; cDNA EST yk390b6.5 comes from this gene[Caenorhabditis elegans]	
	44	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. CAA21042 predicted using Genefinder; similar to Helix-loop-helix DNA-binding domain; cDNA EST EMBL:D34815 comes from this gene; cDNA EST EMBL: D35004 comes from this gene; cDNA EST EMBL: D68853 comes from this gene; cDNA EST EMBL: D67853 comes from this gene; cDNA EST y349h3.5 comes from this gene; cDNA EST EMBL: D32385 comes from this gene; cDNA EST EMBL:D64735 comes from this gene; cDNA EST EMBL: D64806 comes from this gene; cDNA EST EMBL: C10363 comes from this gene; cDNA EST EMBL: C11998 comes from this gene [Caenorhabditis elegans]	

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Sheet 5 of 6 Attorney Docket Number

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	2
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	5000
	45	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAC91576 Sequence 18 from patent US 5780262	
_	46	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAC50051 SREBP-1 [Homo sapiens]	
	47	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAD08631 SP2 metalloprotease [Homo sapiens]	
	48	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. 642180 Caenrhabditis elegans cosmid D2013	
	49	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. BAA74795 sterol regulatory element-binding protein-1 (SREBP-1) [Mus musculus]	
	50	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAA50746 sterol regulatory element binding protein-2 [Homo sapiens]	
	51	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAA20085 sterol regulatory element binding protein-1 [Cricetulus griseus]	
	52	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. A48085 tanscription factor ADD1 - rat	
	53	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. AAA74141 sterol regulatory element binding protein-2 [Cricetulus griseus]	
	54	www.ncbi.nlm.nih.gov (National Center for Biotechnology Information) GenBank Accession No. BAA12111 the KIAA0199 gene is expressed ubiquitously; the KIAA0199 protein shows similarity to sea urchin hydroxymethylglutalyl-CoA reductase, and retains 8 hydrophobic domains. [Homo sapiens]	

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6 Sheet 6 of Attorney Docket Number EX99-004C-US

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	لکّ ا
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	" 55	XU et al., Sterol regulatory element binging protein-1 expression is suppressed by dietary polyunsaturated fatty acids. The Journal of Biological Chemistry. August 1999. vol. 274, No. 33, pages 23577-23583.	
	56	CHITWOOD, 1999, Biochemistry and Function of Nematode Steriods, Critical Reviews in Biochemistry and Molecular Biology 34(4):273-284.	
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	58	KIMURA et at., 1997, daf-2, an Insulin Receptor-Like Gene That Regulates Longevity and Diapause in Caenorhabditis elegans, Science 277:942-946.	
·	59	ROSENFELD, J. M. et al., 26 June 1998, HLH106, a Drosophila Sterol Regulatory Element-binding Protein in a Natural Cholesterol Auxotroph. J. Biological Chemistry 273:16112-16121.	
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	63	BROWN and GOLDSTEIN, 1997, Cell 89:331-340.	
,	64	FAERGEMAN et al., 1997, J. Biol. Chem. 272(13):8531-8538.	
	65	FURLONG et al., 1995, J. Lipid Res. 36(1):1-12.	

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Signature	Considered	

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